

Bereskin & Parr

INTELLECTUAL PROPERTY LAW

July 30, 2004



Philip C. Mendes da Costa
B.Sc. (Chem. Eng.), LL.B.
416 957 1695 pmdcosta@bereskinparr.com

Your Reference: 10/030,108
Our Reference: 12811-300/PMdC

INFORMATION DISCLOSURE STATEMENT UNDER CFR.1.56 and CFR 1.97(c)

The Commissioner of Patents
and Trademarks
Washington, D.C.
U.S.A 20231

RECEIVED
AUG 05 2004
TC 1700

RECEIVED

AUG 04 2004

GROUP 3600

Dear Sir:

Re: United States Patent Application Serial No. 10/030,108
For: APPARATUS AND METHOD FOR SEPARATING PARTICLES FROM
A CYCLONIC FLUID FLOW
Filed: July 18, 2002
Applicant: Conrad

In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, applicant hereby submits an Information Disclosure Statement including (1) a listing of patents and other publications of which applicant is aware on form PTO-1449.

The applicant does not have a translation for the non-English language reference cited in the Search Report. The undersigned's understanding of the relevance of the non-English language reference is based upon it being cited in the International Search Report.

Copies of the references were either provided or were cited by the Examiner during the prosecution of parent patent numbers 6,440,197, 6,221,134 and 6,228,260. Pursuant to the provisions of 37 CFR 1.98(d), the Examiner is kindly referred to the parent cases for copies of the said references.

Please send all correspondence to the Toronto office:

Scotia Plaza, 40 King St. West, 40th Floor,
Toronto, Ontario, Canada M5H 3Y2
Tel: 416.364.7311 Fax: 416.361.1398

2000 Argentia Rd., Plaza 4, Ste. 430,
Mississauga, Ontario, Canada L5N 1W1
Tel: 905.812.3600 Fax: 905.814.0031

Waterloo Technology Campus, 408 Albert St., Ste. 2,
Waterloo, Ontario, Canada N2L 3V3
Tel: 519.783.3210 Fax: 519.783.3211

www.bereskinparr.com

08/02/2004 JBALINAN 00000084 10030108

01 FC:1253

950.00-DA

08/02/2004 JBALINAN 00000084 10030108

950.00-DA
180.00-DA

01 FC:1253
02 FC:1806

This Information Disclosure Statement is filed subsequent to the issuance of the first Office Action but prior to the issuance of either a Final Action or a Notice of Allowance. Please deduct the prescribed fee of \$180.00 from our deposit account no. 02-2095.

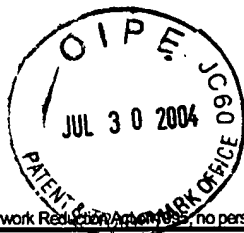
In view of the forgoing, it is respectfully submitted that the Information Disclosure Statement should be considered at this time by the Examiner.

Respectfully submitted,



Philip C. Mendes da Costa
Registration No. 33,106

/as
Encl



PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project (08-03), no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete If Known

| | |
|------------------------|------------------|
| Application Number | 10/030,108 |
| Filing Date | July 18, 2002 |
| First Named Inventor | Conrad |
| Art Unit | 3653 |
| Examiner Name | TILL, Terence R. |
| Attorney Docket Number | 12811-300 |

U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|------------------------|--------------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| | 1. | 911258 | Feb., 1909 | Neumann | |
| | 2. | 1600762 | Sep., 1926 | Hawley | |
| | 3. | 1797812 | Mar., 1931 | Waring | |
| | 4. | 1937765 | Dec., 1933 | Leathers. | |
| | 5. | 2015464 | Sep., 1935 | Saint-Jacques. | |
| | 6. | 2152114 | Mar., 1939 | Van Tongeren. | |
| | 7. | 2542634 | Feb., 1951 | Davis et al. | |
| | 8. | 2678110 | May., 1954 | Madsen | |
| | 9. | 2731102 | Jan., 1956 | James. | |
| | 10. | 2811219 | Oct., 1957 | Wenzl | |
| | 11. | 2846024 | Aug., 1958 | Bremi | |
| | 12. | 2913111 | Nov., 1959 | Rogers | |
| | 13. | 2917131 | Dec., 1959 | Evans | |
| | 14. | 2937713 | May., 1960 | Stephenson et al. | |
| | 15. | 2942691 | Jun., 1960 | Dillon | |
| | 16. | 2946451 | Jul., 1960 | Culeton | |
| | 17. | 2981369 | Apr., 1961 | Yellot. | |
| | 18. | 3032954 | May., 1962 | Racklyeft | |
| | 19. | 3130157 | Apr., 1964 | Kelsall et al. | |
| | 20. | 3200568 | Aug., 1965 | McNeil. | |

RECEIVED
AUG 05 2004
TC 1700RECEIVED
AUG 04 2004
GROUP 3600**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|-----------------------|--------------------------|---|--------------------------------|---|---|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| | 1. | PCT/GB93/01325 | Jun., 1993 | | | |
| | 2. | PCT/GB98/00338 | Feb., 1998 | | | |
| | 3. | PCT/GB99/02313 | Feb., 2000 | | | |
| | 4. | PCT/JP79/00131 | May., 1979 | | | |
| | 5. | PCT/US97/15074 | Aug., 1997 | | | |
| | 6. | WO98/43721 | Oct., 1998 | Koninklijke Philips Electronics NV et al | | |
| | 7. | AU 112778 | Apr., 1940 | | | |
| | 8. | GB. 2282979 | Apr., 1995 | Huyton | | |
| | 9. | GB 2282979A | Apr., 1995 | | | |

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|--------------------------|------------------|------------------------|-----------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 10/030,108 | | |
| | | Filing Date | July 18, 2002 | | |
| | | First Named Inventor | Conrad | | |
| | | Art Unit | 3653 | | |
| | | Examiner Name | TILL, Terence R. | | |
| Sheet | 2 | of | 3 | Attorney Docket Number | 12811-300 |

| U.S. PATENT DOCUMENTS | | | | | |
|------------------------|--------------------------|--|--------------------------------|--|---|
| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| | 21. | 3204772 | Sep., 1985 | Ruxton. | |
| | 22. | 3217469 | Nov., 1965 | Eckert. | |
| | 23. | 3269097 | Aug., 1966 | German | |
| | 24. | 3372532 | Mar., 1968 | Campbell. | |
| | 25. | 3426513 | Feb., 1969 | Bauer | |
| | 26. | 3518815 | Jul., 1970 | McFarland et al. | |
| | 27. | 3530649 | Sep., 1970 | Porsch et al. | |
| | 28. | 3561824 | Feb., 1971 | Homan. | |
| | 29. | 3675401 | Jul., 1972 | Cordes | |
| | 30. | 3684093 | Aug., 1972 | Kono et al. | |
| | 31. | 3822533 | Jul., 1974 | Oranje. | |
| | 32. | 3898068 | Aug., 1975 | McNeil. | |
| | 33. | 3933450 | Jan., 1976 | Percevault. | |
| | 34. | 3988132 | Oct., 1976 | Oranje. | |
| | 35. | 3988133 | Oct., 1976 | Schady. | |
| | 36. | 4097381 | Jun., 1978 | Ritzler. | |
| | 37. | 4187088 | Feb., 1980 | Hodgson. | |
| | 38. | 4218805 | Aug., 1980 | Brazier. | |
| | 39. | 4236903 | Dec., 1980 | Malmsten. | |
| | 40. | 4382804 | May., 1983 | Mellor. | |

RECEIVED
AUG 05 2004
TC 1700

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|---|-----------------------------------|---|--|----------------|
| Examiner Initials * | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| | 10. | DE 4232382C1 | Mar., 1994 | PBS Pulverbeschichtungs und Spezialfilteranlagen GMBH | | |
| | 11. | GB 700791 | Aug., 1951 | | | |
| | 12. | DE 875134 | Apr., 1953 | Metallgesellschaft AG | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

RECEIVED
AUG 04 2004
GROUP 3600

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------|
| Substitute for form 1448A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/030,108 |
| | | | | Filing Date | July 18, 2002 |
| | | | | First Named Inventor | Conrad |
| | | | | Art Unit | 3653 |
| | | | | Examiner Name | TILL, Terence R. |
| | | | | Attorney Docket Number | 12811-300 |
| Sheet | 3 | of | 3 | | |

| U.S. PATENT DOCUMENTS | | | | | |
|------------------------|-------------|--|--------------------------------|--|---|
| Examiner Initials * | Cite No. | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ² (if known) | | | |
| | 41. | 4409008 | Oct., 1983 | Solymes. | |
| | 42. | 4486207 | Dec., 1984 | Baillie. | |
| | 43. | 4678588 | Jul., 1987 | Shortl. | |
| | 44. | 4744958 | May., 1988 | Pircon. | |
| | 45. | 4778494 | Oct., 1988 | Patterson. | |
| | 46. | 4826515 | May., 1989 | Dyson | |
| | 47. | 4853011 | Aug., 1989 | Dyson | |
| | 48. | 5078761 | Jan., 1992 | Dyson | |
| | 49. | 5080697 | Jan., 1992 | Finke. | |
| | 50. | 5090976 | Feb., 1992 | Dyson | |
| | 51. | 5267371 | Dec., 1993 | Soler et al. | |
| | 52. | 5481780 | Jan., 1996 | Daneshvar. | |
| | 53. | 5599365 | Feb., 1997 | Alday et al. | |
| | 54. | 5755096 | May., 1998 | Holleyman. | |
| | 55. | 5858043 | Jan., 1999 | Gelse. | |
| | 56. | 5893938 | Apr., 1999 | Dyson et al. | |
| | 57. | 5935279 | Aug., 1999 | Kilstrom | |
| | 58. | 5950274 | Sep., 1999 | Kilstrom | |
| | 59. | 6071095 | Jun., 2000 | Verkaart | |
| | 60. | 6071321 | Jun., 2000 | Trapp et al. | |

[illegible]

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

EXAMINER: Initial if reference considered, whether not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * Applicant's unique citation designation number (optional). * See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. * Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). * For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. * Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.58. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 minutes to complete. If you are unable to complete the application form to the satisfaction of the USPTO, you may request a refund of the fee. If you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner, US Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option